

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

s de la companya de	ECTION I		
MANUFACTURER'S NAME			EMERGENCY TELEPHONE NO.
3M COMPANY			(612)733-2328
ADDRESS (Number, Street, City, State, and ZIP Code) 3M CENTER, ST. PAUL, MINNESOTA	55101		•
CHEMICAL NAME AND SYNONYMS		TRADE N	ame and synonyms and Integral Fuel Tank
CHEMICAL FAMILY	FORMUL	Seala	nt EC-1675 B, Class B-1

		T +1.12			TLV
PAINTS, PRESERVATIVES, & SOLVENTS	*	TLV (Units)	ALLOYS AND METALLIC COATINGS	<u> </u>	(Units)
PIGMENTS			BASE METAL '		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURE	S OF (OTHER LI	QUIDS, SOLIDS, OR GASES	*	TLV (Units)
Methyl ethyl ketone				<2	200ppr
Dimethylformamide				<3	10ppm

SE	CTION III -	PHYSICAL DATA	
BOILING POINT (°F.) MEK	176°F	SPECIFIC GRAVITY (H2O=1)	1.47
VAPOR PRESSURE (mm Hg.)	NA NA	PERCENT, VOLATILE SY WARNINK (%) Weight	~2
VAPOR DENSITY (AIR-1) MEK	>1	EVAPORATION RATE	
SOLUBILITY IN WATER	Slight		

SE	CTION IV - FIRE	AND EXP	LOSION HAZARD DATA		
FLASH POINT (Method used)	170°F (0.C.)		FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA	CO ₂ , foam, dry	chemica	1.		
SPECIAL FIRE FIGHTING PRO	CEDURESNONE				
UNUSUAL FIRE AND EXPLOSI	ON HAZAROS				

	SECTION V - HEALTH HAZARD DATA
THRESHOLD LIMIT	VALUE See Section II.
	EXPOSURE ating to the eyes. Breathing concentrated vapors may be irritating respiratory system.
EMERGENCY AND	FIRST AID PROCEDURES Flush eyes with plenty of water. Obtain medical attention.
Inhalation:	Provide fresh air.

			SECTIO	NVI - RE	ACTIVITY DATA		
STABILITY	UNS	TABLE		CONDITIONS	TO AVOID		
	STA	BLE	X				
INCOMPATABIL	TY /Mate	rials to avoid	y .				
HAZARDOUS DE	COMPOS	TION PRO	DUCTS				
HAZARDOUS		MAY OCC	:UR		CONDITIONS TO AVOID)	
POLYMERIZATI	ON	WILL NO	T OCCUR	X			

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Collect spilled material. Clean up residue.	
WASTE DISPOSAL METHOD Sanitary landfill or incinerate properly in accordance with local regula	tions.

	SECTION VIII -	SPECIAL PI	ROTECTION IN	FORMATION	
RESPIRATORY PE	NOTECTION (Specify Type)				
VENTILATION	LOCAL EXHAUST			SPECIAL	
	MECHANICAL (General)			OTHER	
PROTECTIVE GLO	OVES		EYE PROTECTION	X	
OTHER PROTECT	IVE EQUIPMENT				

	SECTION IX - SPECIAL PRECAUTIONS
RECAUTIONS TO BE TAKEN IN REEP away from sources	of ignition. Use only in areas adequately ventilated to
prevent vapor buildup.	Avoid eye contact. Avoid prolonged breathing of vapors
other precautions and prolonged or repea	ated contact with skin,

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		SECT	ION I		1.5
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3M COMPANY			(612) 733-232	8	· · · · · · · · · · · · · · · · · · ·
ADDRESS (Number, Street, City, State, and ZIP Cou 3M CENTER, ST. PAUL, MINI	<i>le)</i> NES	OTA 5	5101		
CHEMICAL NAME AND SYNONYMS			TRADE NAME AND SYNONYMS 3M Brand Integral Fuel 1	ank	
CHEMICAL FAMILY			FORMULA Sealant EC-1675-A Class		
SECTION	11 -	HAZAF	RDOUS INGREDIENTS		
PAINTS, PRESERVATIVES, & SOLVENTS	*	TLV (Units)	ALLOYS AND METALLIC COATINGS	×	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES	OF C	THER LI	DUIDS, SOLIDS, OR GASES	*	TLV (Units
Manganese Dioxide			_	- 50	5mg/M
				-	<i>p</i>
				+	
					ļ
					<u> </u>
SEC	LION	4 111 - F	PHYSICAL DATA		
			SPECIFIC GRAVITY (H2O=1)	Τ.	70
BOILING POINT (°F. Contains no solven		N.A.	PERCENT, VOLATILE	+-	.72
VAPOR PRESSURE (mm Hg.)]	N.A.	BY XRISHIR (%) weight EVAPORATION RATE	4-0	<u> </u>
VAPOR DENSITY (AIR=1)		N.A.	(=1)		
SOLUBILITY IN WATER About		D			
APPEARANCE AND ODOR Black viscou	s pa	aste			
SECTION IV - I	FIRE	AND F	EXPLOSION HAZARD DATA		
Contains no flammable liquids N			FLAMMABLE LIMITS LA		Uel
EXTINGUISHING MEDIA CO, foam, dry		amical			
		-mrca1			
SPECIAL FIRE FIGHTING PROCEDURES	^				
Non-	<u> </u>				

PAGE (1)

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		2	ECTION	VV - HE	ALII	1 HAZA	ARD D	AIA			
THRESHOLD LIM	T VALUE S	See Sec	tion I	I.							
EFFECTS OF OVE May be irri	REXPOSUR	E				-					
	tating t	0 0,03	and S	KIII.							
EMERGENCY AN Eye Contact						er. S	eek m	edical	atten	tion.	
Skin Contac	t: Wash	with s	oap and	d water.							
			SECTION	ON VI -	REAC	CTIVIT	Y DAT	'A			
STABILITY	UNSTA	DLE	X	CONDITI	IONS TO	O AVOID			es mav	cause	explosi
	STABLE			igniti							
INCOMPATABILI											
Organic mat	COMPOSITIO	N PRODU	CTS	SUDSTA	inces						
		AY OCCU			CC	MOITION	S TO A	VOID			
HAZARDOUS POLYMERIZATIO	n -										
<u> </u>		ILL NOT	DCCOR					· · · · · · · · · · · · · · · · · · ·			
							4.3				
				ı - SPIL			PROC	DURE	S		
STEPS TO BE TA	KEN IN CAS						PROCI	EDURE	S		
		E MATER	AL IS RE	LEASED O	R SPILI	ED	PROCI	EDURE	s		
Collect sp		E MATER	AL IS RE	LEASED O	R SPILI	ED	PROC	EDURE	s		
Collect sp	illed ma	E MATER	AL IS RE	LEASED O	R SPILI	ED	PROCI	EDURE	S		
Collect sp	illed ma	E MATER	Clea	LEASED O	R SPILI	9.					
Collect sp	illed ma	E MATER	Clea	LEASED O	R SPILI	9.				cal re	gulation
Collect sp	illed ma	E MATER	Clea	LEASED O	R SPILI	9.				cal re	gulation
Collect sp	illed ma	terial.	Clea	in up re	esidue	e.	ccord	ance w	ith lo	cal re	gulation
Collect sposace	illed mar	terial.	Clea	LEASED O	esidue	e.	ccord	ance w	ith lo	cal re	gulation
Collect sposace	illed mar	terial. als.	Clea	in up re	esidue	e.	ccords	once w	ith lo	cal re	gulation
Collect sp	illed mar	terial. als. ECTION (Specify to	Clea	in up re	esidue	e.	ccords	ance w	ith lo	cal re	gulation
Collect sposal Contains he	illed mar	terial. als.	Clea	in up re	esidue	e.	ccords ON INI	once w	ith lo	cal re	gulation
Collect sposar waste disposar Contains he	illed ma	terial. als. ECTION (Specify to	Clea	in up re	esidue	e.	ocorda ON INI	ORMA SPECIAL OTHER	ith lo	cal re	gulation
Collect sp. WASTE DISPOSAL Contains he RESPIRATORY POPERATION PROTECTIVE GLO	Illed ma	terial. als. [Specify to EXHAUST NICAL (Geo	Clea	in up re	esidue	y in a	ocorda ON INI	ORMA	ith lo	cal re	gulation
Collect sp. WASTE DISPOSAL Contains he RESPIRATORY POPULATION PROTECTIVE GLO	Illed ma	terial. als. [Specify to EXHAUST NICAL (Geo	Clea	n up re	esidue	y in a	ocorda ON INI	ORMA SPECIAL OTHER	ith lo	cal re	gulation
Collect sposal Contains he	Illed ma	terial. als. ECTION (Specify I) EXHAUST NICAL (Ge	Clea	n up re	esidue	TECTION	ON IN	ORMA SPECIAL OTHER	ith lo	cal re	gulation
Collect sp. WASTE DISPOSAL Contains he RESPIRATORY POPULATION PROTECTIVE GLO	Illed man	E MATERIAL LETIEL	Clea	ate pro	PECIA	TECTIO	ON INI	FORMA SPECIAL OTHER X	ith lo		gulation